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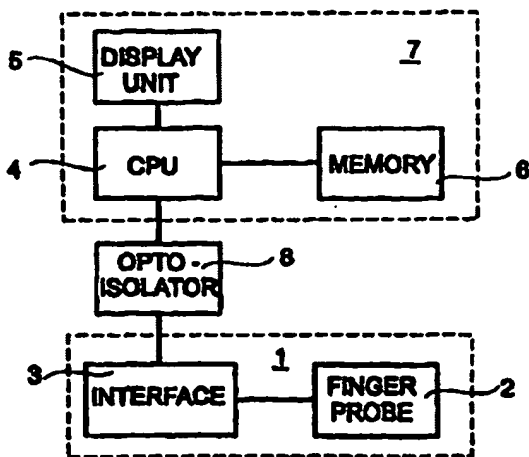
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(54) Title: BIOENERGETIC DATA COLLECTION APPARATUS



(57) Abstract

A Bioenergetic Data Collection Apparatus utilizing a modified oximeter (1) to collect signals characteristic of blood flow in terminal tissue, such as a finger tip (12). A processing means (7) in signal connection with the modified oximeter (1) receives and analyzes the signals to produce pulse waveforms, or a pulse waveform sequence, that is displayed on a high resolution video display (5). An isolation means (8) is provided between the modified oximeter (1) and the processing means (7) to ensure no lethal voltages can threaten a patient. A variety of aids are provided to assist an appropriately skilled practitioner to make a prognosis from the displayed data. The tools include measurement of the ratio of heart activity to heart rest, variation in systolic pulse amplitude, variation in pulse shape, etc.

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